

## APPARATUS TO CONTROL PHY STATE OF NETWORK DEVICES

### Abstract of the Disclosure

A technique for programmatically controlling a state of the PHY of a network device. In one embodiment, a first  
5 network interconnect device (for example, a hub) comprises a device port coupled to a network device and comprises an uplink port coupled to a second network interconnect device (for example, a switch or a router). Transmission, under program control, of a predetermined signal from the second  
10 network interconnect device to the uplink port of the hub causes network devices that are coupled to device ports of the hub to connect/disconnect to/from the network. In one embodiment, the predetermined signal (which may be the heartbeat signal that is familiar to Ethernet networks, for  
15 example), causes the power state of the network device to go up and down (become active or inactive), thereby affording the capability to programmatically control the PHY of network devices.